Steve Brunton

List of Publications by Citations

176 papers	8,698 citations	42 h-index	91 g-index
204 ext. papers	13,099 ext. citations	4.1 avg, IF	7.29 L-index

#	Paper	IF	Citations
176	Discovering governing equations from data by sparse identification of nonlinear dynamical systems. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 3932-7	11.5	1026
175	On dynamic mode decomposition: Theory and applications. *Journal of Computational Dynamics*, **2014**, 1, 391-421	2.6	587
174	Machine Learning for Fluid Mechanics. *Annual Review of Fluid Mechanics*, **2020**, 52, 477-508	22	523
173	Modal Analysis of Fluid Flows: An Overview. *AIAA Journal*, **2017**, 55, 4013-4041	2.1	508
172	Data-driven discovery of partial differential equations. *Science Advances*, **2017**, 3, e1602614	14.3	439
171	Dynamic Mode Decomposition **2016**,		342
170	Dynamic Mode Decomposition with Control. *SIAM Journal on Applied Dynamical Systems*, **2016**, 15, 142-161	2.8	284
169	Deep learning for universal linear embeddings of nonlinear dynamics. *Nature Communications*, **2018**, 9, 4950	17.4	258
168	Data-Driven Science and Engineering: Machine Learning, Dynamical Systems, and Control **2019**,		247
167	Closed-Loop Turbulence Control: Progress and Challenges. *Applied Mechanics Reviews*, **2015**, 67,	8.6	241
166	Maximum Power Point Tracking for Photovoltaic Optimization Using Ripple-Based Extremum Seeking Control. *IEEE Transactions on Power Electronics*, **2010**, 25, 2531-2540	7.2	208
165	Chaos as an intermittently forced linear system. *Nature Communications*, **2017**, 8, 19	17.4	170
164	Koopman Invariant Subspaces and Finite Linear Representations of Nonlinear Dynamical Systems for Control. *PLoS ONE*, **2016**, 11, e0150171	3.7	160
163	Multiresolution Dynamic Mode Decomposition. *SIAM Journal on Applied Dynamical Systems*, **2016**, 15, 713-735	2.8	146
162	. *IEEE Transactions on Molecular, Biological, and Multi-Scale Communications*, **2016**, 2, 52-63	2.3	144
161	Data-driven discovery of coordinates and governing equations. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 22445-22451	11.5	135
160	Modal Analysis of Fluid Flows: Applications and Outlook. *AIAA Journal*, **2020**, 58, 998-1022	2.1	124

159	Data-Driven Sparse Sensor Placement for Reconstruction: Demonstrating the Benefits of Exploiting Known Patterns. *IEEE Control Systems*, **2018**, 38, 63-86	2.9	123
158	Constrained sparse Galerkin regression. *Journal of Fluid Mechanics*, **2018**, 838, 42-67	3.7	122
157	Sparse identification of nonlinear dynamics for model predictive control in the low-data limit. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2018**, 474, 20180335	2.4	109
156	Model selection for dynamical systems via sparse regression and information criteria. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2017**, 473, 20170009	2.4	90
155	Fast computation of finite-time Lyapunov exponent fields for unsteady flows. *Chaos*, **2010**, 20, 017503	3.3	87
154	Sparse reduced-order modelling: sensor-based dynamics to full-state estimation. *Journal of Fluid Mechanics*, **2018**, 844, 459-490	3.7	86
153	Sidelobe Canceling for Reconfigurable Holographic Metamaterial Antenna. *IEEE Transactions on Antennas and Propagation*, **2015**, 63, 1881-1886	4.9	81
152	Compressed sensing and dynamic mode decomposition. *Journal of Computational Dynamics*, **2015**, 2, 165-191	2.6	81
151	Data-Driven Identification of Parametric Partial Differential Equations. *SIAM Journal on Applied Dynamical Systems*, **2019**, 18, 643-660	2.8	73
150	Machine Learning Control – Taming Nonlinear Dynamics and Turbulence. *Fluid Mechanics and Its Applications*, **2017**,	0.2	72
149	Compressive Sensing and Low-Rank Libraries for Classification of Bifurcation Regimes in Nonlinear Dynamical Systems. *SIAM Journal on Applied Dynamical Systems*, **2014**, 13, 1716-1732	2.8	71
148	Reduced-order unsteady aerodynamic models at low Reynolds numbers. *Journal of Fluid Mechanics*, **2013**, 724, 203-233	3.7	68
147	Generalizing Koopman Theory to Allow for Inputs and Control. *SIAM Journal on Applied Dynamical Systems*, **2018**, 17, 909-930	2.8	64
146	Network structure of two-dimensional decaying isotropic turbulence. *Journal of Fluid Mechanics*, **2016**, 795,	3.7	60
145	Discovery of Nonlinear Multiscale Systems: Sampling Strategies and Embeddings. *SIAM Journal on Applied Dynamical Systems*, **2019**, 18, 312-333	2.8	54
144	Deep learning and model predictive control for self-tuning mode-locked lasers. *Journal of the Optical Society of America B: Optical Physics*, **2018**, 35, 617	1.7	54
143	Sparse Sensor Placement Optimization for Classification. *SIAM Journal on Applied Mathematics*, **2016**, 76, 2099-2122	1.8	51
142	Empirical state-space representations for Theodorsen's lift model. *Journal of Fluids and Structures*, **2013**, 38, 174-186	3.1	51

141	Sparse identification of nonlinear dynamics for rapid model recovery. *Chaos*, **2018**, 28, 063116	3.3	50
140	Compressed dynamic mode decomposition for background modeling. *Journal of Real-Time Image Processing*, **2019**, 16, 1479-1492	1.9	49
139	Deep learning of dynamics and signal-noise decomposition with time-stepping constraints. *Journal of Computational Physics*, **2019**, 396, 483-506	4.1	46
138	State-space model identification and feedback control of unsteady aerodynamic forces. *Journal of Fluids and Structures*, **2014**, 50, 253-270	3.1	43
137	Sparse Identification of Nonlinear Dynamics with Control (SINDYc)**SLB acknowledges support from the U.S. Air Force Center of Excellence on Nature Inspired Flight Technologies and Ideas (FA9550-14-1-0398). JLP thanks Bill and Melinda Gates for their active support of the Institute of Disease Modeling and their sponsorship through the Global Good Fund. JNK acknowledges support from the U.S. Air Force Office of Scientific Research (FA9550-09-0174).. *IFAC-PapersOnLine*, **2016**, 49, 710-715	0.7	43
136	, *IEEE Access*, **2019**, 7, 1404-1423	3.5	42
135	Self-Tuning Fiber Lasers. *IEEE Journal of Selected Topics in Quantum Electronics*, **2014**, 20, 464-471	3.8	42
134	Exploiting sparsity and equation-free architectures in complex systems. *European Physical Journal: Special Topics*, **2014**, 223, 2665-2684	2.3	41
133	Extremum-Seeking Control of a Mode-Locked Laser. *IEEE Journal of Quantum Electronics*, **2013**, 49, 852-861	1.8	41
132	Mixing Layer Manipulation Experiment. *Flow, Turbulence and Combustion*, **2015**, 94, 155-173	2.5	40
131	Nonlinear model reduction for dynamical systems using sparse sensor locations from learned libraries. *Physical Review E*, **2015**, 92, 033304	2.4	39
130	Classification of birefringence in mode-locked fiber lasers using machine learning and sparse representation. *Optics Express*, **2014**, 22, 8585-97	3.3	39
129	Extremum-seeking control of the beam pattern of a reconfigurable holographic metamaterial antenna. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2016**, 33, 59-68	1.8	35
128	Robust flow reconstruction from limited measurements via sparse representation. *Physical Review Fluids*, **2019**, 4,	2.8	34
127	Randomized Dynamic Mode Decomposition. *SIAM Journal on Applied Dynamical Systems*, **2019**, 18, 1867-1891	1.8	34
126	Sparse Principal Component Analysis via Variable Projection. *SIAM Journal on Applied Mathematics*, **2020**, 80, 977-1002	1.8	33
125	PySINDy: A Python package for the sparse identification of nonlinear dynamical systems from data. *Journal of Open Source Software*, **2020**, 5, 2104	5.2	33
124	Shallow neural networks for fluid flow reconstruction with limited sensors. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2020**, 476, 20200097	2.4	29

123	Predicting shim gaps in aircraft assembly with machine learning and sparse sensing. *Journal of Manufacturing Systems*, **2018**, 48, 87-95	9.1	29
122	Environment identification in flight using sparse approximation of wing strain. *Journal of Fluids and Structures*, **2017**, 70, 162-180	3.1	28
121	Intracycle angular velocity control of cross-flow turbines. *Nature Energy*, **2017**, 2,	62.3	27
120	Cluster-based feedback control of turbulent post-stall separated flows. *Journal of Fluid Mechanics*, **2019**, 875, 345-375	3.7	26
119	Closed-loop control of experimental shear flows using machine learning **2014**,		24
118	Randomized Matrix Decompositions Using R. *Journal of Statistical Software*, **2019**, 89,	7.3	24
117	Time-Delay Observables for Koopman: Theory and Applications. *SIAM Journal on Applied Dynamical Systems*, **2020**, 19, 886-917	2.8	23
116	Robust principal component analysis for modal decomposition of corrupt fluid flows. *Physical Review Fluids*, **2020**, 5,	2.8	23
115	Neural-inspired sensors enable sparse, efficient classification of spatiotemporal data. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 10564-10569	11.5	23
114	SINDy-PI: a robust algorithm for parallel implicit sparse identification of nonlinear dynamics. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2020**, 476, 20200279	2.4	22
113	Greedy Sensor Placement With Cost Constraints. *IEEE Sensors Journal*, **2019**, 19, 2642-2656	4	22
112	Dynamic Mode Decomposition for Compressive System Identification. *AIAA Journal*, **2020**, 58, 561-574	2.1	22
111	Model selection for hybrid dynamical systems via sparse regression. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2019**, 475, 20180534	2.4	21
110	Applied Koopman Theory for Partial Differential Equations and Data-Driven Modeling of Spatio-Temporal Systems. *Complexity*, **2018**, 2018, 1-16	1.6	21
109	Data-Driven Methods in Fluid Dynamics: Sparse Classification from Experimental Data **2017**, 323-342		20
108	Spatiotemporal Feedback and Network Structure Drive and Encode Caenorhabditis elegans Locomotion. *PLoS Computational Biology*, **2017**, 13, e1005303	5	20
107	Frequency selection by feedback control in a turbulent shear flow. *Journal of Fluid Mechanics*, **2016**, 797, 247-283	3.7	20
106	Deep Learning to Accelerate Scatterer-to-Field Mapping for Inverse Design of Dielectric Metasurfaces. *ACS Photonics*, **2021**, 8, 481-488	6.3	20

105	Characterizing magnetized plasmas with dynamic mode decomposition. *Physics of Plasmas*, **2020**, 27, 032108	2.1	19
104	Lagrangian coherent structures and inertial particle dynamics. *Physical Review E*, **2016**, 93, 033108	2.4	19
103	Long-time uncertainty propagation using generalized polynomial chaos and flow map composition. *Journal of Computational Physics*, **2014**, 274, 783-802	4.1	19
102	A Unified Sparse Optimization Framework to Learn Parsimonious Physics-Informed Models From Data. *IEEE Access*, **2020**, 8, 169259-169271	3.5	18
101	Methods for data-driven multiscale model discovery for materials. *JPhys Materials*, **2019**, 2, 044002	4.2	17
100	Development and validation of warning system of ventricular tachyarrhythmia in patients with heart failure with heart rate variability data. *PLoS ONE*, **2018**, 13, e0207215	3.7	17
99	Sparsity enabled cluster reduced-order models for control. *Journal of Computational Physics*, **2018**, 352, 388-409	4.1	16
98	Discovering time-varying aerodynamics of a prototype bridge by sparse identification of nonlinear dynamical systems. *Physical Review E*, **2019**, 100, 022220	2.4	15
97	Dimensionality reduction and reduced-order modeling for traveling wave physics. *Theoretical and Computational Fluid Dynamics*, **2020**, 34, 385-400	2.3	15
96	Discovery of Physics From Data: Universal Laws and Discrepancies. *Frontiers in Artificial Intelligence*, **2020**, 3, 25	3	15
95	Deep model predictive flow control with limited sensor data and online learning. *Theoretical and Computational Fluid Dynamics*, **2020**, 34, 577-591	2.3	15
94	Sparse-TDA: Sparse Realization of Topological Data Analysis for Multi-Way Classification. *IEEE Transactions on Knowledge and Data Engineering*, **2018**, 30, 1403-1408	4.2	15
93	Intelligent Systems for Stabilizing Mode-Locked Lasers and Frequency Combs: Machine Learning and Equation-Free Control Paradigms for Self-Tuning Optics. *Nanophotonics*, **2015**, 4, 459-471	6.3	15
92	Data-driven discovery of Koopman eigenfunctions for control. *Machine Learning: Science and Technology*, **2021**, 2, 035023	5.1	15
91	Modeling the Unsteady Aerodynamic Forces on Small-Scale Wings **2009**,		14
90	Learning dominant physical processes with data-driven balance models. *Nature Communications*, **2021**, 12, 1016	17.4	14
89	Discovering Conservation Laws from Data for Control **2018**,		14
88	Networked-oscillator-based modeling and control of unsteady wake flows. *Physical Review E*, **2018**, 97, 063107	2.4	13

87	Multi-resolution Dynamic Mode Decomposition for Foreground/Background Separation and Object Tracking **2015**,		13
86	Data-driven resolvent analysis. *Journal of Fluid Mechanics*, **2021**, 918,	3.7	12
85	Physics-constrained, low-dimensional models for magnetohydrodynamics: First-principles and data-driven approaches. *Physical Review E*, **2021**, 104, 015206	2.4	12
84	Prevention of lean flame blowout using a predictive chemical reactor network control. *Fuel*, **2019**, 236, 583-588	7.1	12
83	Nonlinear stochastic modelling with Langevin regression.. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2021**, 477, 20210092	2.4	11
82	Deep learning models for global coordinate transformations that linearise PDEs. *European Journal of Applied Mathematics*, **2021**, 32, 515-539	1	11
81	Promoting global stability in data-driven models of quadratic nonlinear dynamics. *Physical Review Fluids*, **2021**, 6,	2.8	10
80	Optimized Sampling for Multiscale Dynamics. *Multiscale Modeling and Simulation*, **2019**, 17, 117-136	1.8	9
79	Maximum power point tracking for photovoltaic optimization using extremum seeking **2009**,		9
78	Multi-Fidelity Sensor Selection: Greedy Algorithms to Place Cheap and Expensive Sensors With Cost Constraints. *IEEE Sensors Journal*, **2020**, 1-1	4	9
77	Randomized CP tensor decomposition. *Machine Learning: Science and Technology*, **2020**, 1, 025012	5.1	8
76	Compressed Singular Value Decomposition for Image and Video Processing **2017**,		7
75	Phase-consistent dynamic mode decomposition from multiple overlapping spatial domains. *Physical Review Fluids*, **2020**, 5,	2.8	7
74	Data-Driven Approximations of Dynamical Systems Operators for Control. *Lecture Notes in Control and Information Sciences*, **2020**, 197-234	0.5	7
73	Modeling synchronization in forced turbulent oscillator flows. *Communications Physics*, **2020**, 3,	5.4	7
72	Sparse nonlinear models of chaotic electroconvection. *Royal Society Open Science*, **2021**, 8, 202367	3.3	7
71	Modern Koopman Theory for Dynamical Systems. *SIAM Review*, **2022**, 64, 229-340	7.4	7
70	Sensor Selection With Cost Constraints for Dynamically Relevant Bases. *IEEE Sensors Journal*, **2020**, 20, 11674-11687	4	6

69	Sidelobe canceling on a reconfigurable holographic metamaterial antenna **2014**,		6
68	PySINDy: A comprehensive Python package for robust sparse system identification. *Journal of Open Source Software*, **2022**, 7, 3994	5.2	6
67	Data-driven nonlinear aeroelastic models of morphing wings for control. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2020**, 476, 20200079	2.4	6
66	Optimal Sensor and Actuator Selection using Balanced Model Reduction. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	6
65	Data-Driven Aerospace Engineering: Reframing the Industry with Machine Learning. *AIAA Journal*,1-26	2.1	6
64	RetinaMatch: Efficient Template Matching of Retina Images for Teleophthalmology. *IEEE Transactions on Medical Imaging*, **2019**, 38, 1993-2004	11.7	5
63	Applying machine learning to study fluid mechanics. *Acta Mechanica Sinica/Lixue Xuebao*,1	2	5
62	Deep reinforcement learning for optical systems: A case study of mode-locked lasers. *Machine Learning: Science and Technology*, **2020**, 1, 045013	5.1	5
61	Feedback through graph motifs relates structure and function in complex networks. *Physical Review E*, **2018**, 98,	2.4	5
60	Hybrid Learning Approach to Sensor Fault Detection with Flight Test Data. *AIAA Journal*, **2021**, 59, 3490-3503	2.5	5
59	Dynamic Mode Decomposition for Robust PCA with Applications to Foreground/Background Subtraction in Video Streams and Multi-Resolution Analysis **2016**, 441-456		4
58	DeepGreen: deep learning of Green's functions for nonlinear boundary value problems. *Scientific Reports*, **2021**, 11, 21614	4.9	4
57	Structured time-delay models for dynamical systems with connections to Frenet-Serret frame.. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2021**, 477, 20210097	2.4	4
56	Data-driven modeling of rotating detonation waves. *Physical Review Fluids*, **2021**, 6,	2.8	4
55	SINDy-BVP: Sparse identification of nonlinear dynamics for boundary value problems. *Physical Review Research*, **2021**, 3,	3.9	4
54	Including inputs and control within equation-free architectures for complex systems. *European Physical Journal: Special Topics*, **2016**, 225, 2413-2434	2.3	4
53	Randomized methods to characterize large-scale vortical flow networks. *PLoS ONE*, **2019**, 14, e0225265	3.7	4
52	Correction: Modal Analysis of Fluid Flows: An Overview. *AIAA Journal*, **2020**, 58, AU9-AU9	2.1	4

51	Challenges in dynamic mode decomposition.. *Journal of the Royal Society Interface*, **2021**, 18, 20210686	4.1	4
50	Smoothing and parameter estimation by soft-adherence to governing equations. *Journal of Computational Physics*, **2019**, 398, 108860	4.1	3
49	Data-Driven discovery of governing physical laws and their parametric dependencies in engineering, physics and biology **2017**,		3
48	An extremum-seeking controller for dynamic metamaterial antenna operation **2015**,		3
47	Deeptime: a Python library for machine learning dynamical models from time series data. *Machine Learning: Science and Technology*,	5.1	3
46	Advanced control methods for cross-flow turbines. *International Marine Energy Journal*, **2018**, 1, 129-1382		3
45	Bilinear dynamic mode decomposition for quantum control. *New Journal of Physics*, **2021**, 23, 033035	2.9	3
44	Go with the FLOW: visualizing spatiotemporal dynamics in optical widefield calcium imaging. *Journal of the Royal Society Interface*, **2021**, 18, 20210523	4.1	3
43	Kernel learning for robust dynamic mode decomposition: linear and nonlinear disambiguation optimization.. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2022**, 478, 20210830	2.4	3
42	Online Interpolation Point Refinement for Reduced-Order Models using a Genetic Algorithm. *SIAM Journal of Scientific Computing*, **2018**, 40, B283-B304	2.6	2
41	Machine Learning Control (MLC). *Fluid Mechanics and Its Applications*, **2017**, 11-48	0.2	2
40	Taming Nonlinear Dynamics with MLC. *Fluid Mechanics and Its Applications*, **2017**, 93-120	0.2	2
39	Dynamic Mode Decomposition for Background Modeling **2017**,		2
38	Gust mitigation through closed-loop control. I. Trailing-edge flap response. *Physical Review Fluids*, **2022**, 7,	2.8	2
37	Geometric and control optimization of a two cross-flow turbine array. *Journal of Renewable and Sustainable Energy*, **2020**, 12, 064501	2.5	2
36	Singular Value Decomposition (SVD) **2019**, 3-46		2
35	PySensors: A Python package for sparse sensor placement. *Journal of Open Source Software*, **2021**, 6, 2828	5.2	2
34	Data-Driven Stabilization of Periodic Orbits. *IEEE Access*, **2021**, 9, 43504-43521	3.5	2

33	Ensemble-SINDy: Robust sparse model discovery in the low-data, high-noise limit, with active learning and control.. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2022**, 478, 20210904	2.4	2
32	An empirical mean-field model of symmetry-breaking in a turbulent wake.. *Science Advances*, **2022**, 8, eabm4786	14.3	2
31	Data-Driven Dynamical Systems **2019**, 229-275		1
30	Linear Control Theory **2019**, 276-320		1
29	Learning Precisely Timed Feedforward Control of the Sensor-Denied Inverted Pendulum **2020**, 4, 731-736		1
28	Self-tuning fiber lasers **2016**,		1
27	Parsimony as the ultimate regularizer for physics-informed machine learning. *Nonlinear Dynamics*, **2022**, 107, 1801	5	1
26	Principal component trajectories for modeling spectrally continuous dynamics as forced linear systems.. *Physical Review E*, **2022**, 105, 015312	2.4	1
25	Finite-horizon, energy-efficient trajectories in unsteady flows.. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2022**, 478, 20210255	2.4	1
24	Gust mitigation through closed-loop control. II. Feedforward and feedback control. *Physical Review Fluids*, **2022**, 7,	2.8	1
23	Sparsity and Compressed Sensing **2019**, 84-114		1
22	Extraction of Instantaneous Frequencies and Amplitudes in Nonstationary Time-Series Data. *IEEE Access*, **2021**, 9, 83453-83466	3.5	1
21	SINDy analysis of disturbance and plant model superposition on a rolling delta wing **2018**,		1
20	Intensity-Mosaic: automatic panorama mosaicking of disordered images with insufficient features. *Journal of Medical Imaging*, **2021**, 8, 054002	2.6	1
19	Data-driven stochastic modeling of coarse-grained dynamics with finite-size effects using Langevin regression. *Physica D: Nonlinear Phenomena*, **2021**, 427, 133004	3.3	1
18	Deep learning of conjugate mappings. *Physica D: Nonlinear Phenomena*, **2021**, 427, 133008	3.3	1
17	Automatic differentiation to simultaneously identify nonlinear dynamics and extract noise probability distributions from data. *Machine Learning: Science and Technology*, **2022**, 3, 015031	5.1	1
16	Projection-tree reduced-order modeling for fast N-body computations. *Journal of Computational Physics*, **2022**, 459, 111141	4.1	1

15	Data-Driven Control **2019**, 345-372		0
14	Reduced Order Models (ROMs) **2019**, 375-402		0
13	Improved Approximations to Wagner Function Using Sparse Identification of Nonlinear Dynamics. *AIAA Journal*,1-17	2.1	0
12	Data-driven modeling of two-dimensional detonation wave fronts. *Wave Motion*, **2022**, 102879	1.8	0
11	Fourier and Wavelet Transforms **2019**, 47-83		0
10	Regression and Model Selection **2019**, 117-153		0
9	Bracketing brackets with bras and kets. *Journal of Manufacturing Systems*, **2021**, 58, 384-391	9.1	0
8	Machine Learning of Dynamics with Applications to Flow Control and Aerodynamic Optimization. *Notes on Numerical Fluid Mechanics and Multidisciplinary Design*, **2021**, 327-335	0.3	0
7	Swarm Modelling with Dynamic Mode Decomposition. *IEEE Access*, **2022**, 1-1	3.5	0
6	Balanced Models for Control **2019**, 321-344		
5	Interpolation for Parametric ROMs **2019**, 403-435		
4	Leveraging Sparsity and Compressive Sensing for Reduced Order Modeling. *Modeling, Simulation and Applications*, **2017**, 301-315	1.1	
3	Data Methods and Computational Tools for Characterizing Complex Cavity Dynamics **2015**, 395-418		
2	Clustering and Classification **2019**, 154-194		
1	Neural Networks and Deep Learning **2019**, 195-226		